

ABSTRACT OF THE DISCLOSURE

A tool identification system, comprising: a tool holder allowing removable attachment thereto of any one of a plurality of tools; a sensor arrangement operable to sense features present on a tool attached to the tool holder; a processor operable to identify uniquely, from the sensed features, the type of the tool attached to the tool holder; and an insulation arrangement provided between the tool holder and the sensor arrangement, thereby electrically insulating the tool holder from the sensor arrangement.